

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. – 36. (Canceled)

37. (Previously presented) A method for determining a channel quality in a wireless communication system, comprising:

receiving a high speed shared control channel (HS-SICH) transmission;

counting a total number of HS-SICH transmissions;

counting a number of failed HS-SICH transmissions;

counting a number of missed HS-SICH transmissions; and

periodically reporting the total number of HS-SICH transmissions, the number of failed HS-SICH transmissions, and the number of missed HS-SICH transmissions over a fixed time period, whereby the reporting is an indication of the channel quality.

38. (Previously presented) A base station configured to determine a channel quality, comprising:

a receiver configured to receive a high speed shared control channel (HS-SICH) transmission;

a counter configured to count a total number of HS-SICH transmissions, a number of failed HS-SICH transmissions, and a number of missed HS-SICH transmissions; and

a reporting device configured to periodically report the total number of HS-SICH transmissions, the number of failed HS-SICH transmissions, and the number of missed HS-SICH transmissions over a fixed time period, whereby the report is an indication of the channel quality.

39. (Previously presented) A base station configured to determine a channel quality, comprising:

a receiver configured to receive a high speed shared control channel (HS-SICH) transmission;

a first counter configured to count a total number of HS-SICH transmissions;

a second counter configured to count a number of failed HS-SICH transmissions;

a third counter configured to count a number of missed HS-SICH transmissions; and

a reporting device configured to periodically report the values of said first counter, said second counter, and said third counter over a fixed time period, whereby the report is an indication of the channel quality.

40. (Previously presented) A wireless transmit/receive unit (WTRU), comprising:

a transmitter configured to transmit a plurality of high speed shared control channel (HS-SICH) transmissions;

a receiver configured to receive a power control command, the power control command being derived by counting a total number of HS-SICH transmissions, counting a number of failed HS-SICH transmissions, counting a number of missed HS-SICH transmissions, and comparing the counted values to a predetermined threshold; and

a transmission power adjusting device configured to adjust an uplink transmission power of the WTRU based on the power control command.